Patent Attorney's Docket No. 018976-203

<i>(a)</i>	IN THE UNITED STATES PATEN	T AND TRADEMARK OFFIC	CE
In rest atent A	pplication of)	
Ryoichi MOR) Group Art Unit: 2827	
Application N	o.: 09/973,822) Examiner: I. Patel	
Filed: Octobe	er 11, 2001) Confirmation No.: 7801	
CONI ELEC METI	NECTION METHOD AND NECTION STRUCTURE OF PAD STRODES, AND INSPECTING HODS FOR CONNECTIONS TE THEREOF))))	JUL 15 2312 TC 2600 HAIL BI
	INFORMATION DISCLO TRANSMITTA		15 2:
Washington, Sir: Enclo	nmissioner for Patents D.C. 20231 used is an Information Disclosure State and patent application.	ement and accompanying form I	0
[X]	No additional fee for submission of	an IDS is required.	
[]	The fee of \$180.00 (126) as set for	th in 37 C.F.R. § 1.17(p) is also	enclosed.
[X]	A certification under 37 C.F.R. § 1	1.97(e) is also enclosed.	
[]	A certification under 37 C.F.R. § 1 in 37 C.F.R. § 1.17(p) are also end	1.97(e), and the fee of \$180.00 closed.	(126) as set forth
[]	Charge \$to Deposit	Account No. 02-4800 for the fe	e due.
[]	A check in the amount of \$	is enclosed for the fee due	
§§ 1.16, 1.1'	Commissioner is hereby authorized to 7 and 1.21 that may be required by the count No. 02-4800. This paper is subm	s paper, and to credit any overp	der 37 C.F.R. payment, to
	Re	spectfully submitted.	
	Bu	irns, Doane, Swecker & Mat	THIS, L.L.P.

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

Date: July 12, 2002

Registration No. 32,131

Ellen Marcie Emas

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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INFORMATION DISCLOSURE STATEMENT AND CERTIFICATION

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information cited in a corresponding U.K. search report dated June 19, 2002, in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in § 1.56(c) more than 30 (thirty) days prior to the filing of this Information Disclosure Statement.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

By:

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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Date: July 12, 2002







Application No:

GB 0123370.9

1-11

Examiner:

Steven Morgan

Date of search:

19 June 2002

Patents Act 1977

Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.T): H1K(KRD)

Int Cl (Ed.7): H05K 1/11, 3/34; H01L

Other: Online: WPI, PAJ, EPODOC

Documents considered to be relevant:

Category	Identity of document and relevant passage		Relevant to claims
Х	JP 9 219 583 A	(HITACHI) See abstract & figures.	1-8
P,X,&	US 6 330 166 B1	(DENSO) See figures.	7 & 8
X,&	JP 2000 114 315 A	(DENSO) See figures.	7 & 8
X	US 5 973 406	(HITACHI) See figures.	7 & 8
х	US 5 484 963	(NGK) See figures.	7&8

X Document indicating lack of novelty or inventive step

Y Document indicating lack of inventive step if combined with one or more other documents of same category.

[&]amp; Member of the same patent family

A Document indicating technological background and/or state of the art.

P Document published on or after the declared priority date but before the filing date of this invention.

E Patent document published on or after, but with priority date earlier than, the filing date of this application.